NITFS
Compliance Registration

Product: Environment For Visualizing Images (ENVI), Version 4.4,
Sponsor: Dated October 11, 2007

ITT Visual Information Solutions

Developer:

ITT Visual Information Solutions

Date: 21 October 2010
Expiration: 20 October 2011
Registration #: 2078

☐ Initial Registration
☐ Supplemental/Update #
☑ Derived from Reg. # 2061

☐ **System**
N-0105/98, §4.1.1

☑ **Product**
N-0105/98, §4.1.2

☐ **Component**
N-0105/98, §4.1.3

Complexity Level

NITF 2.1 CLEVEL	3	5	6	7
Interpret	■	■	■	■
Generate	■	■	■	■

NITF 2.0 CLEVEL	1	2	3	4	5	6	Oth
Interpret	■	■	■	■	■	■	
Generate	■	■	■	■	■	■	

** NITF 2.0 feature
* NITF 2.1 feature

Configurations Tested:

- Windows XP Professional 2002 SP2 and Solaris 9

NITFS Features Implemented:

Format
NITF
● ● V2.1
● ● V2.0
● V1.1
NSIF
● ● V1.0

Pixel Value Types
◉ ○ Boolean
◉ ◉ Integer
◉ ◉ Signed Integer *
◉ ◉ IEEE Real *
○ ○ IEEE Complex *

Annotation Segment Types
● ○ Bit Mapped **
● ○ CGM, 2301
◉ ○ CGM, 2301A
● ○ Labels **

Text Segments
● ● STA
● ○ UT1
● ○ U8S
◉ ○ MTF

Image Segment Types
● ● MONO
● ● RGB
● ○ RGB/LUT
● ○ YCbCr
● ● MULTI
◉ ◉ NODISPLY
○ ○ POLAR

Image Compression
● ● Not Compressed
● ● JPEG Lossy, 8-bit
● ○ JPEG Lossy, 12-bit
● ○ JPEG Downsample
● ○ JPEG Lossless
● ● JPEG 2000
● ○ Bi-Level
● ○ Vector Quantization
◉ ◉ Multispectral JPEG, Individual Band

Data Extension Segments
● ○ TRE_OVERFLOW
◉ ○ STREAMING_FILE_HEADER
● ○ Controlled Extensions **
● ○ Registered Extensions **

Tagged Record Extensions
● ● - BANDSB
● ● - CSDE
◉ ◉ - DIGEST GeoSDE*
● ● - ICHIPB
● ○ - IOMAPA
● ● - J2KLRA
◉ ○ - NCDRD
◉ ◉ - NSDE
● ● - PIAE
● ○ - RPC00B

Legend
Interpret / Generate
● ● Fully implemented
◉ ◉ Partially implemented
○ ○ Not implemented

BRENT L. SNYDER, Lt Col, USAF, Division Chief
Joint Interoperability Test Command
Executive Agent to National Geospatial-Intelligence Agency for the NITFS Test and Evaluation Program

Registration does not guarantee that a product will meet all users' requirements. Potential users should evaluate the detailed test results to determine the suitability of a product for the intended use. Optional NITFS features may not be implemented.